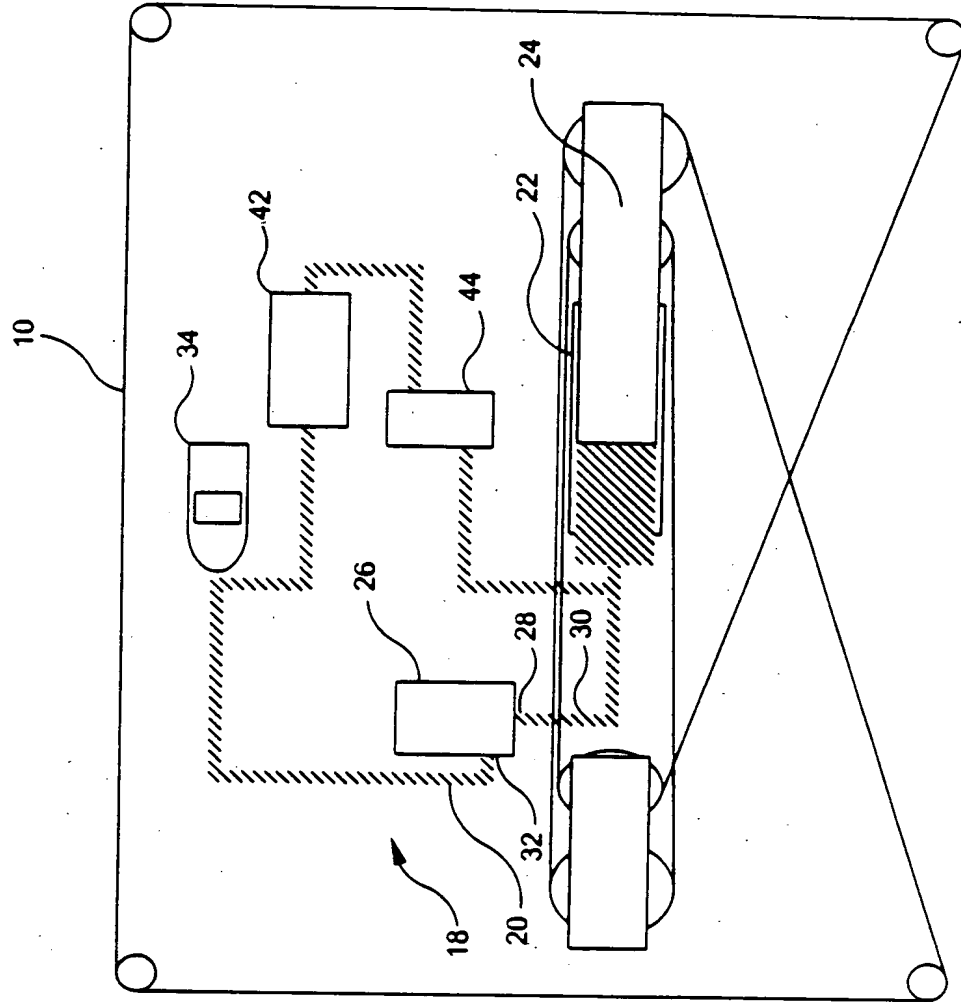


FIG. 1

PRIOR ART



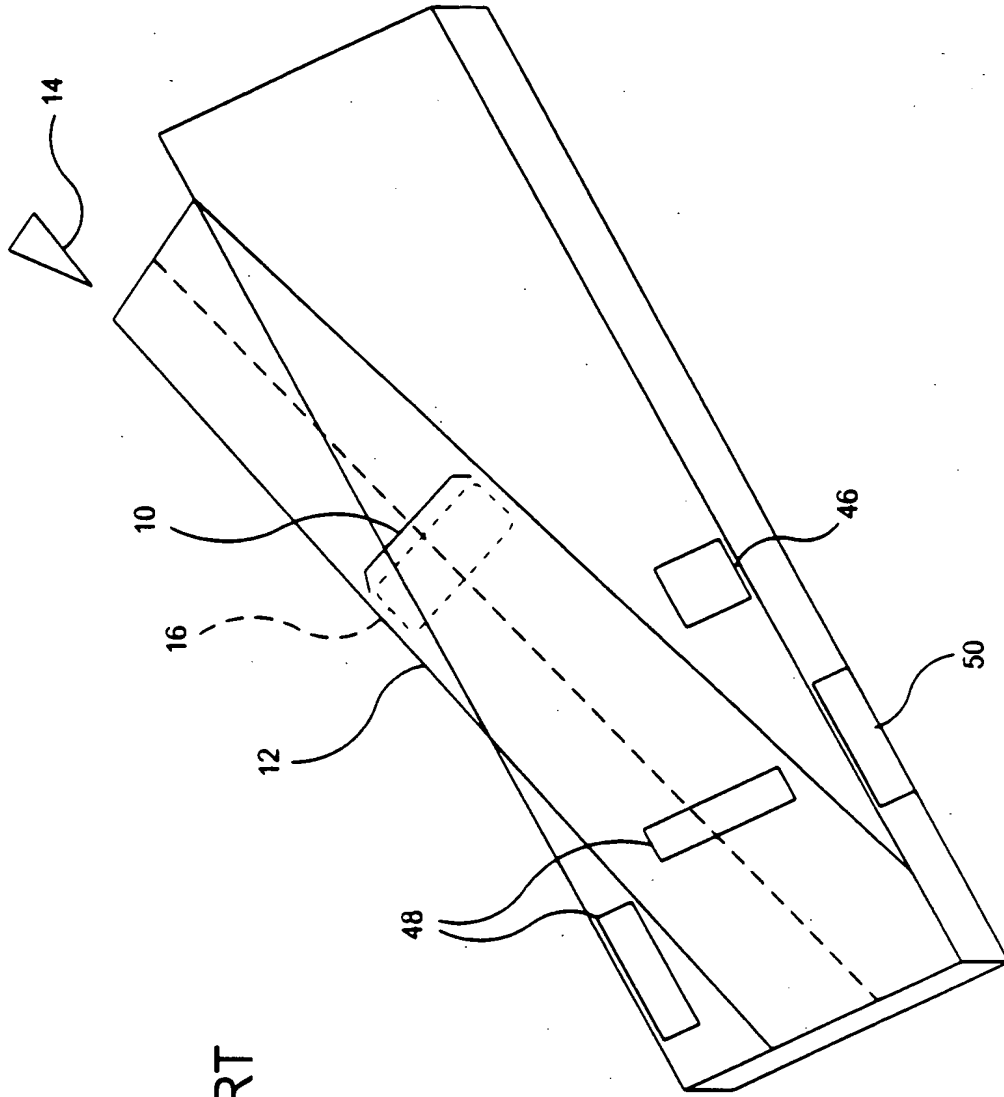


FIG. 2

PRIOR ART

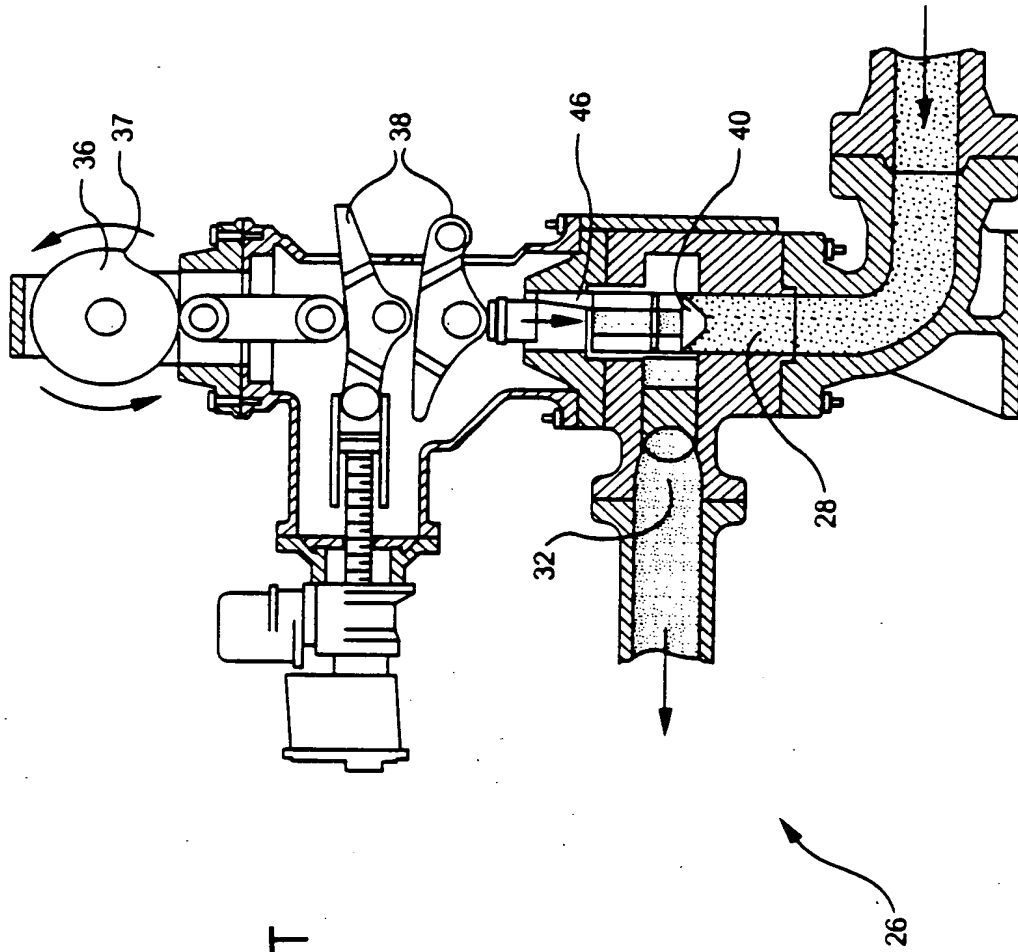


FIG. 3

PRIOR ART

FIG. 4

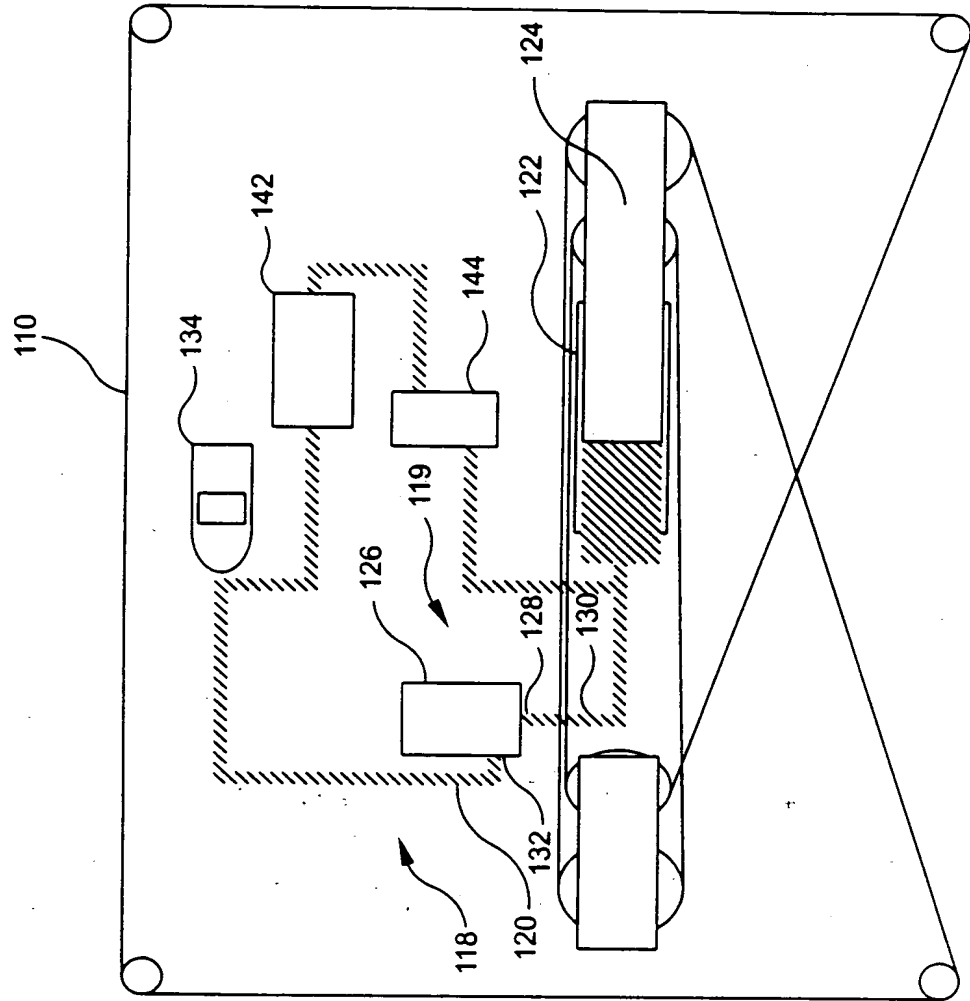


FIG. 5

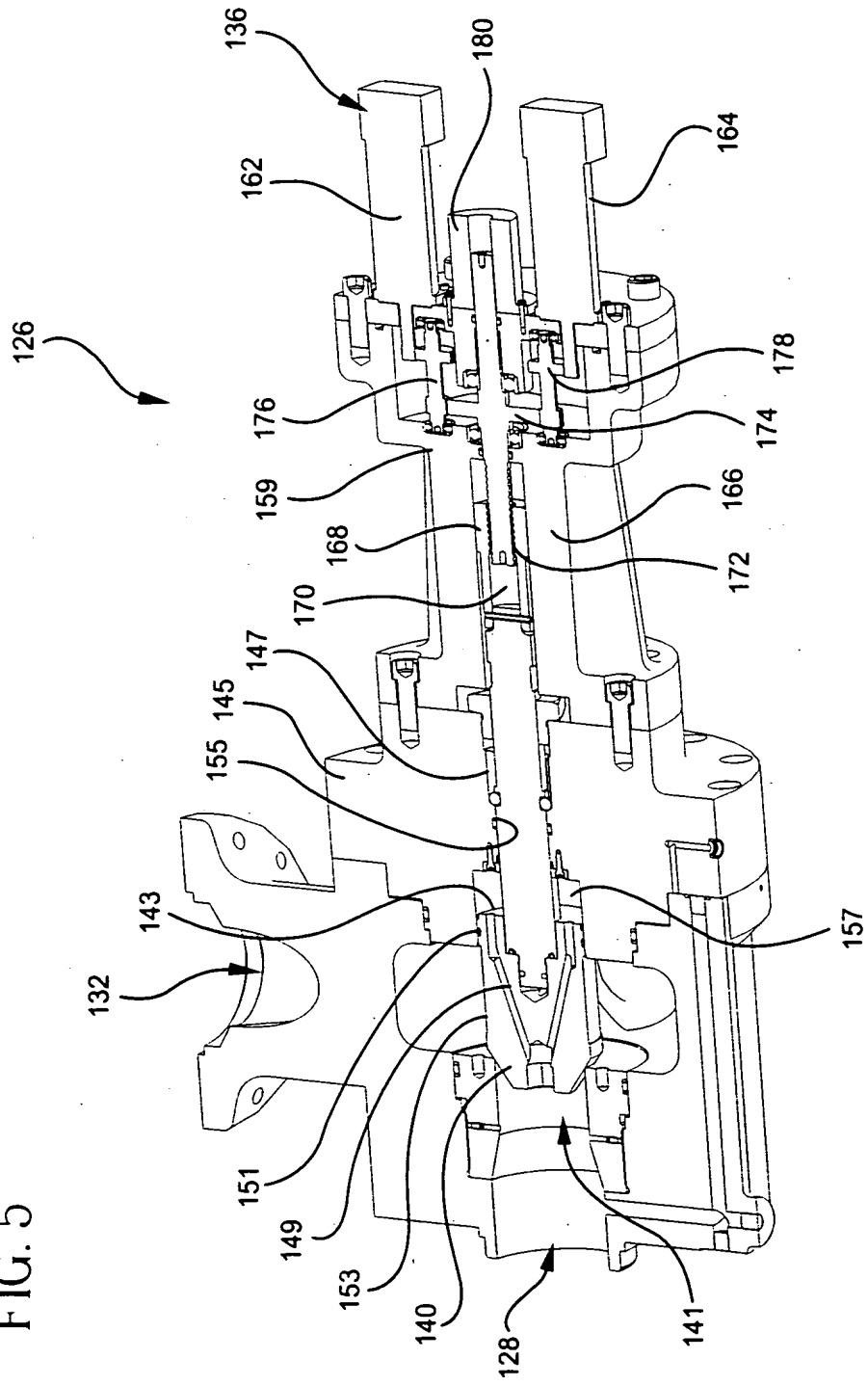


FIG. 6

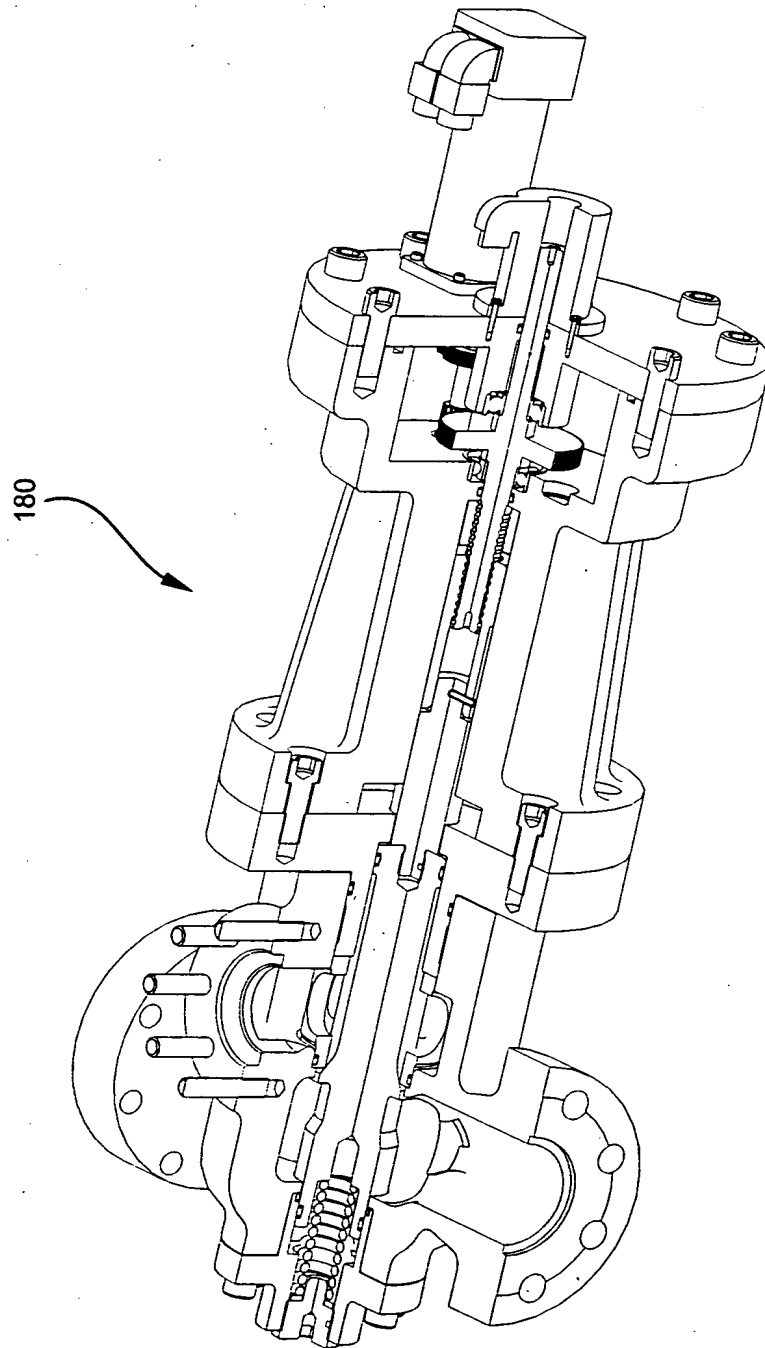
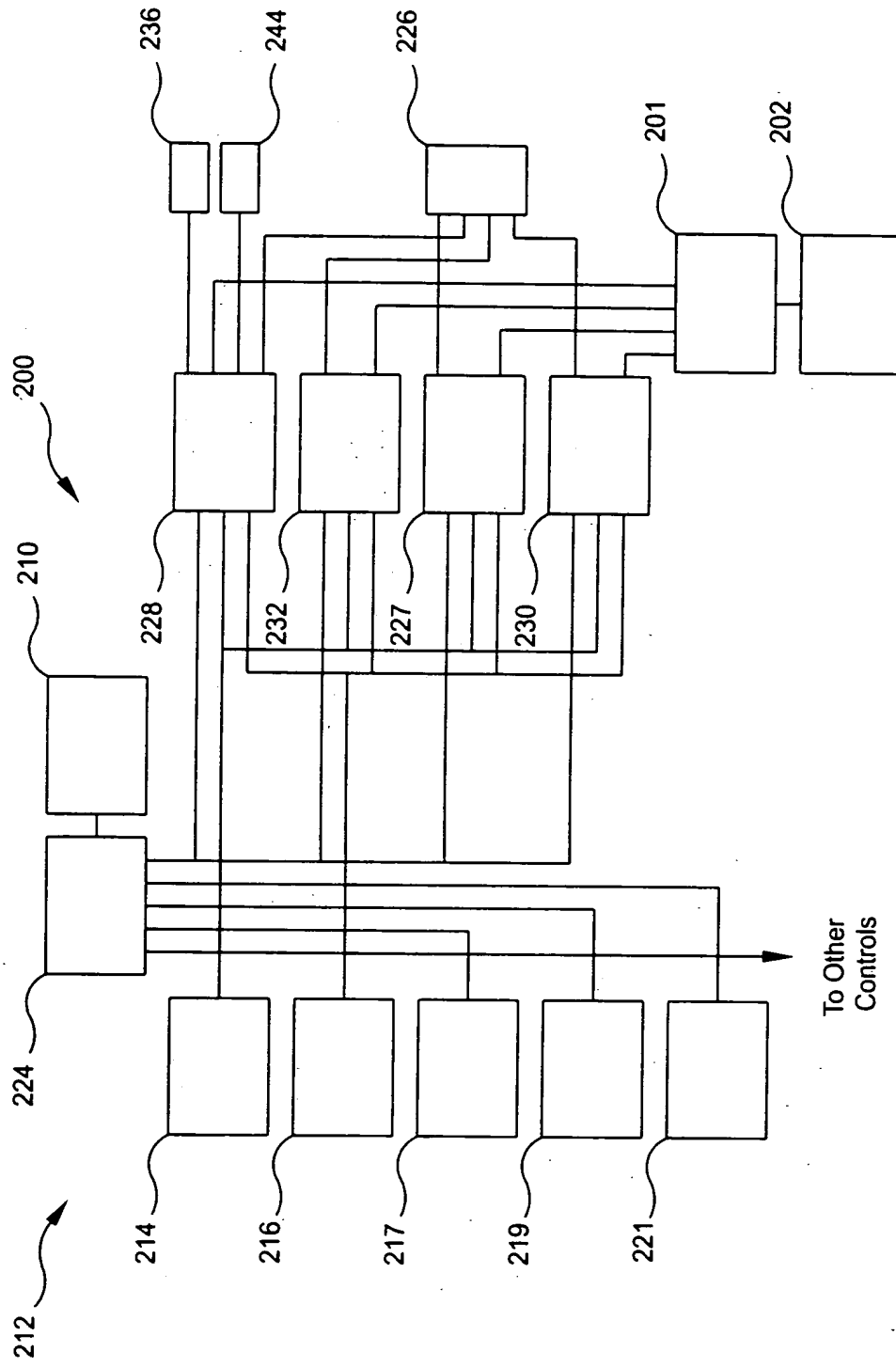


FIG. 7



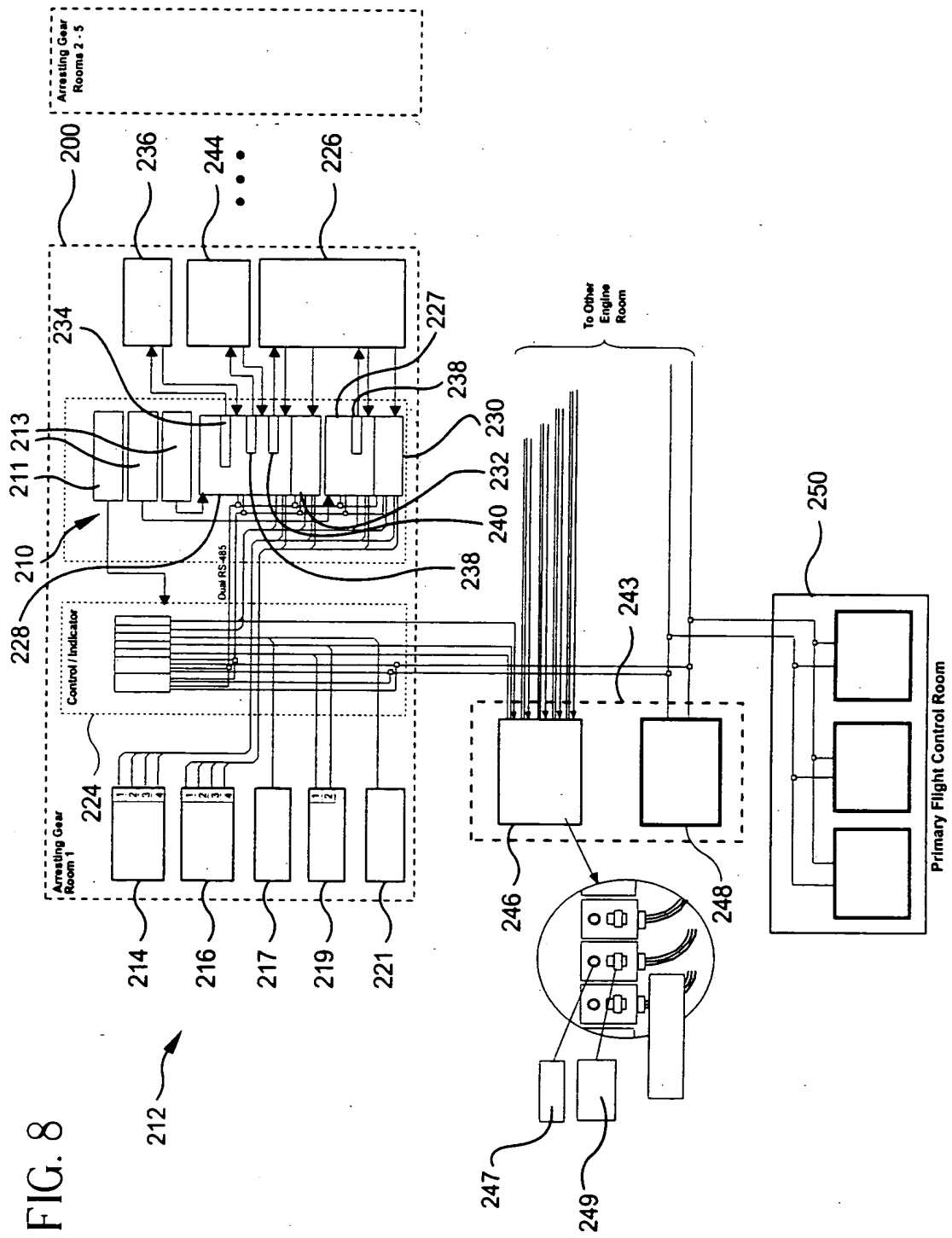




FIG. 9

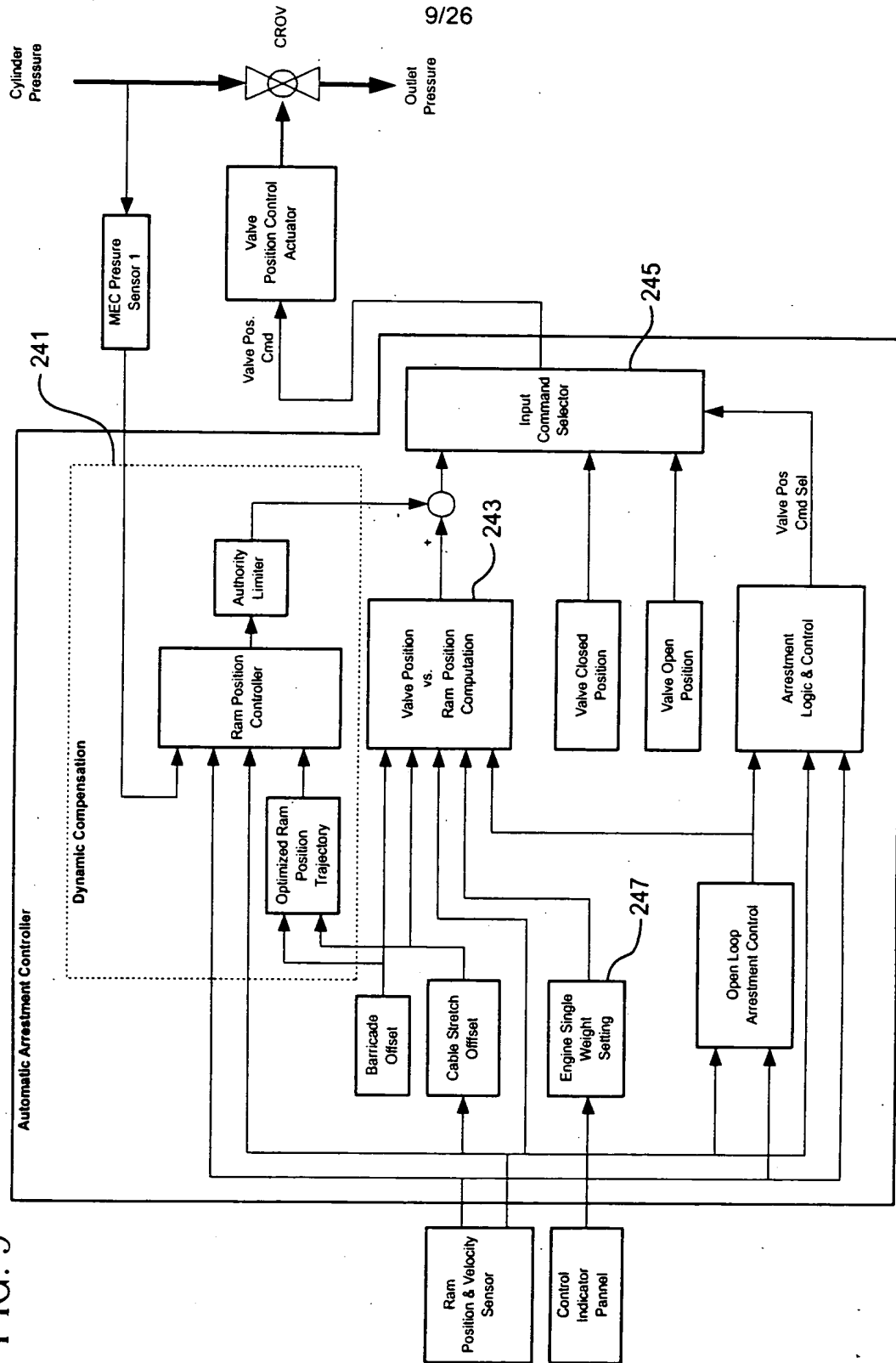
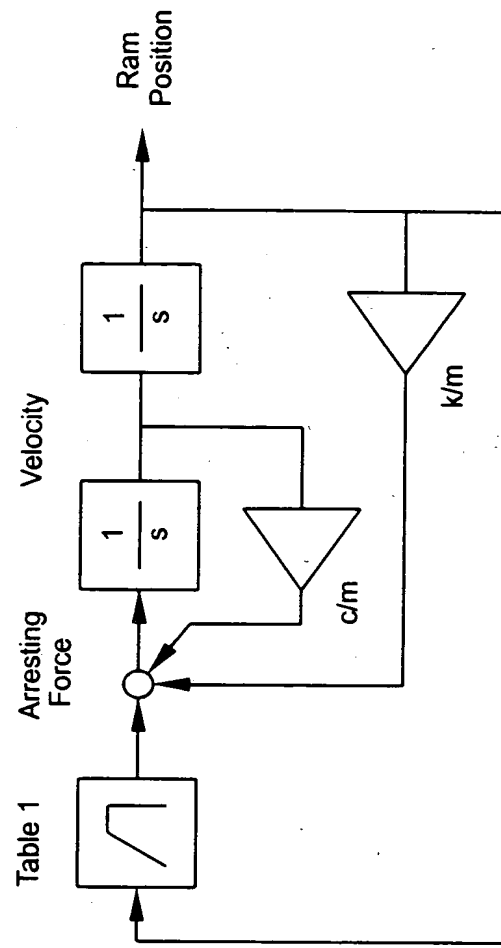


FIG. 10



$m$  = Aircraft Mass

$c$  = System Damping

$k$  = System Spring Rate

Table 1 = Ram Position vs. Cylinder Pressure Look-up Table

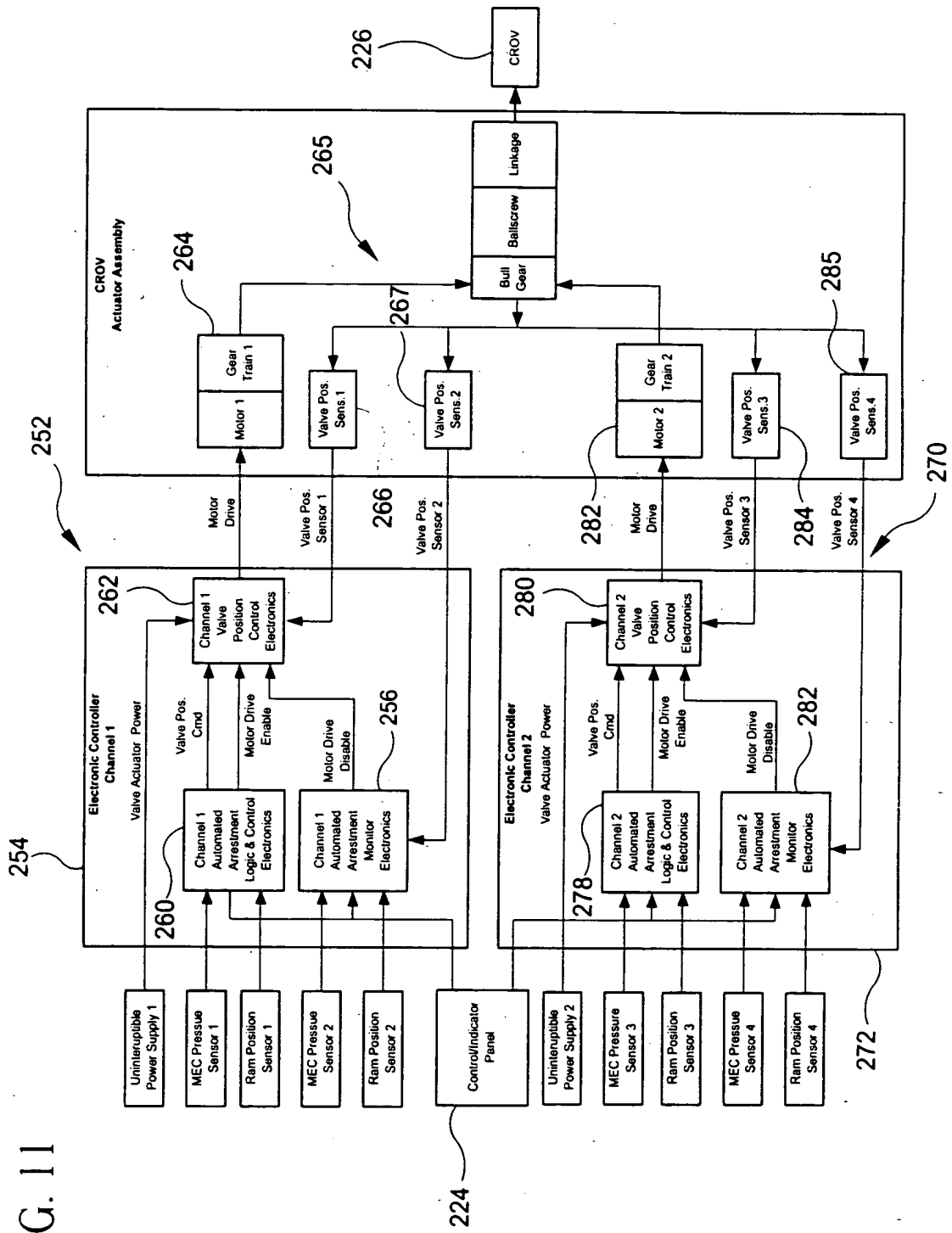


FIG. 11

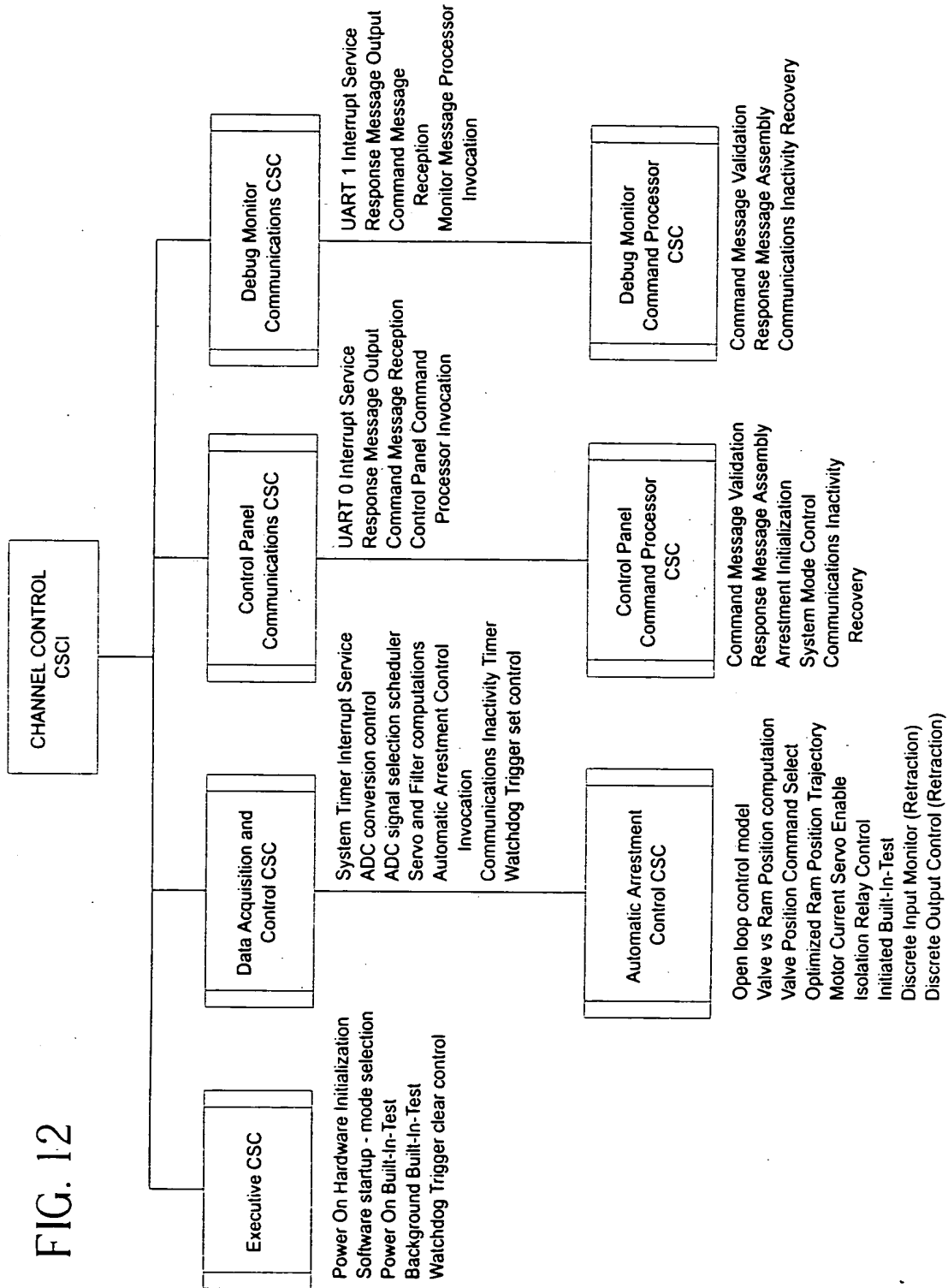


FIG. 13

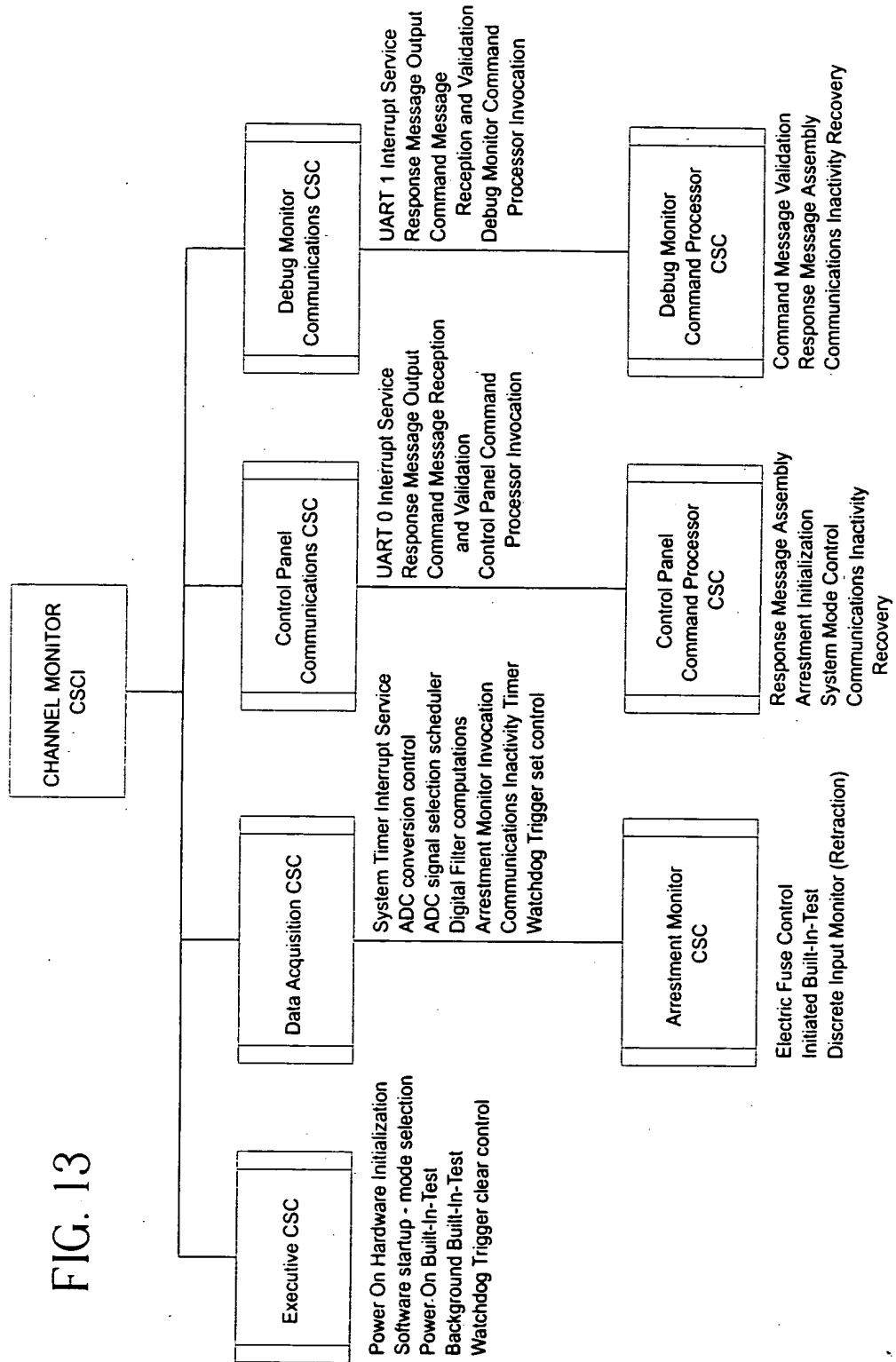


FIG. 14

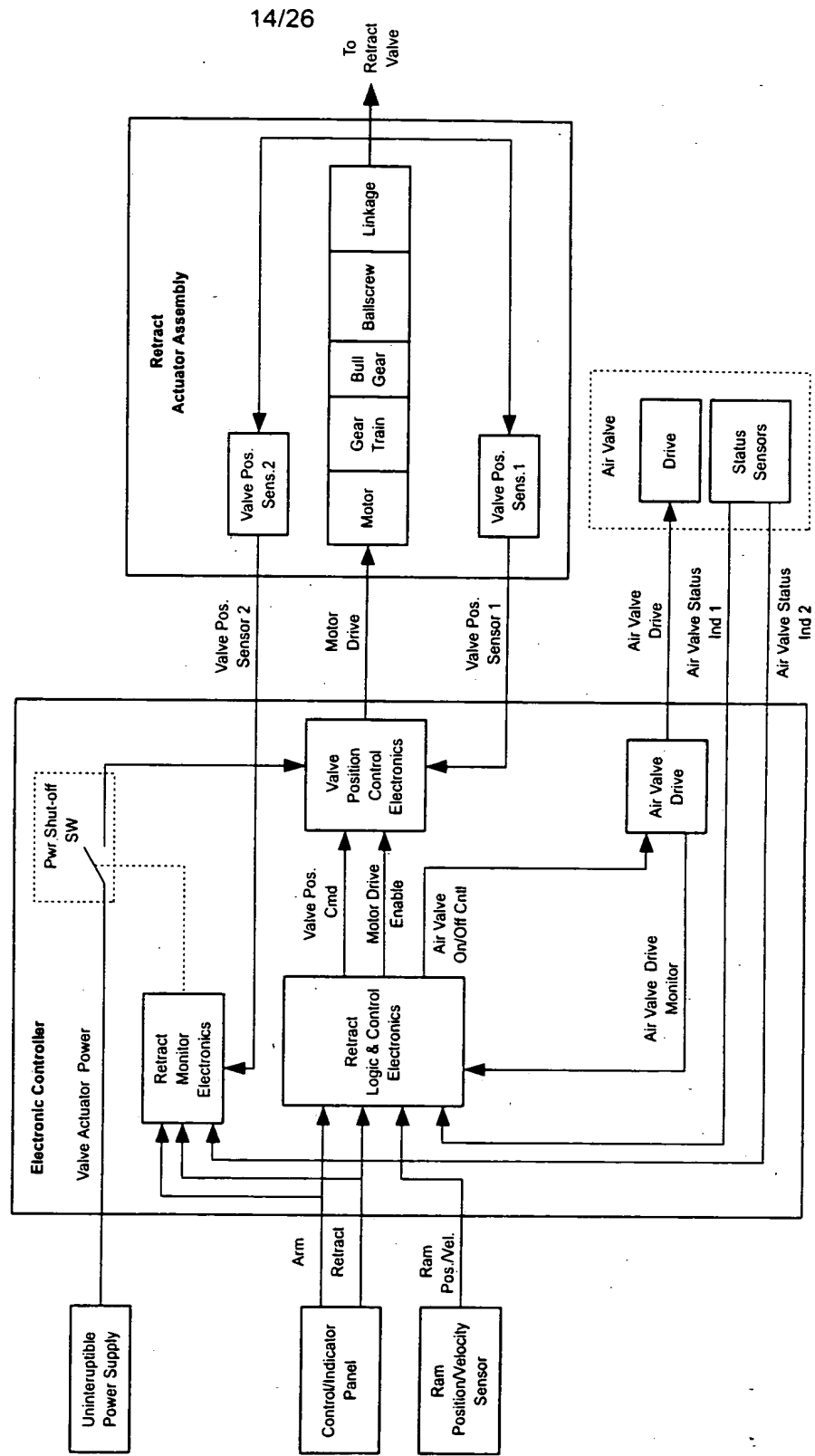


FIG. 15

FIG. 16

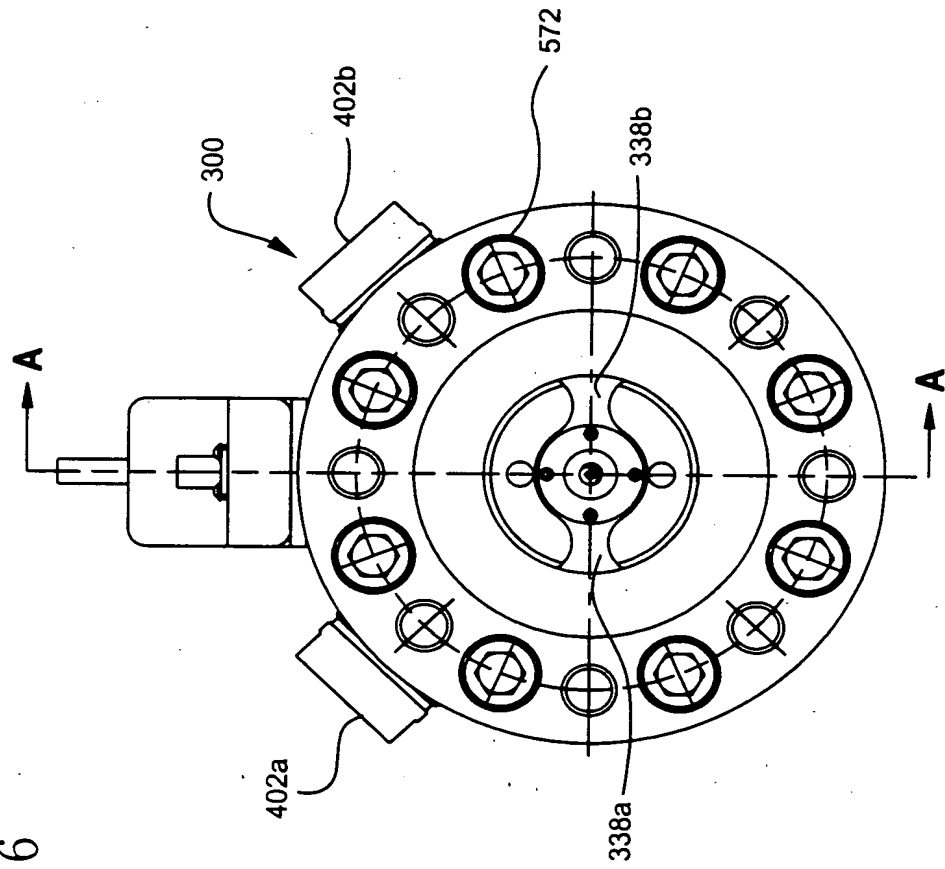




FIG. 17A

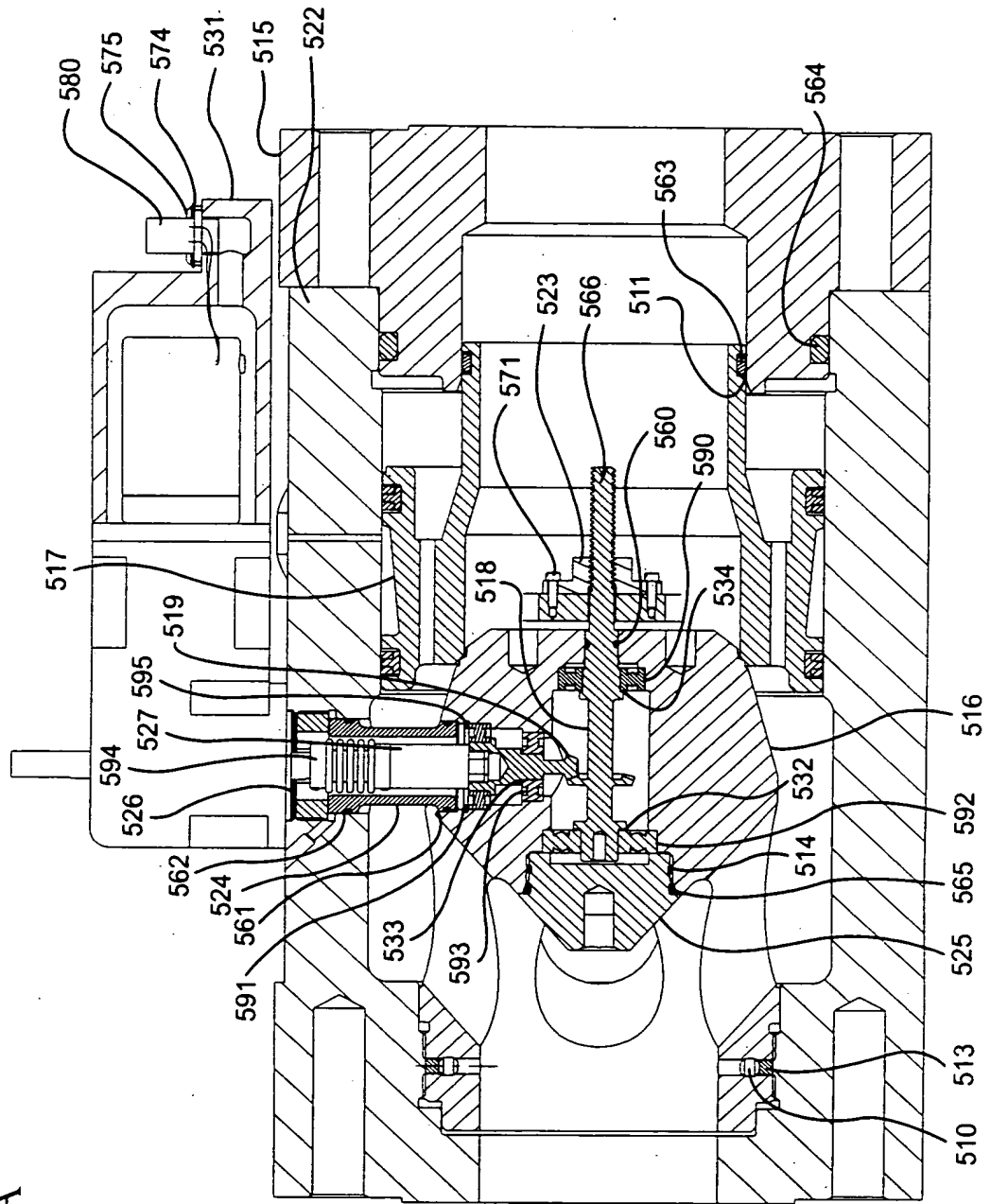
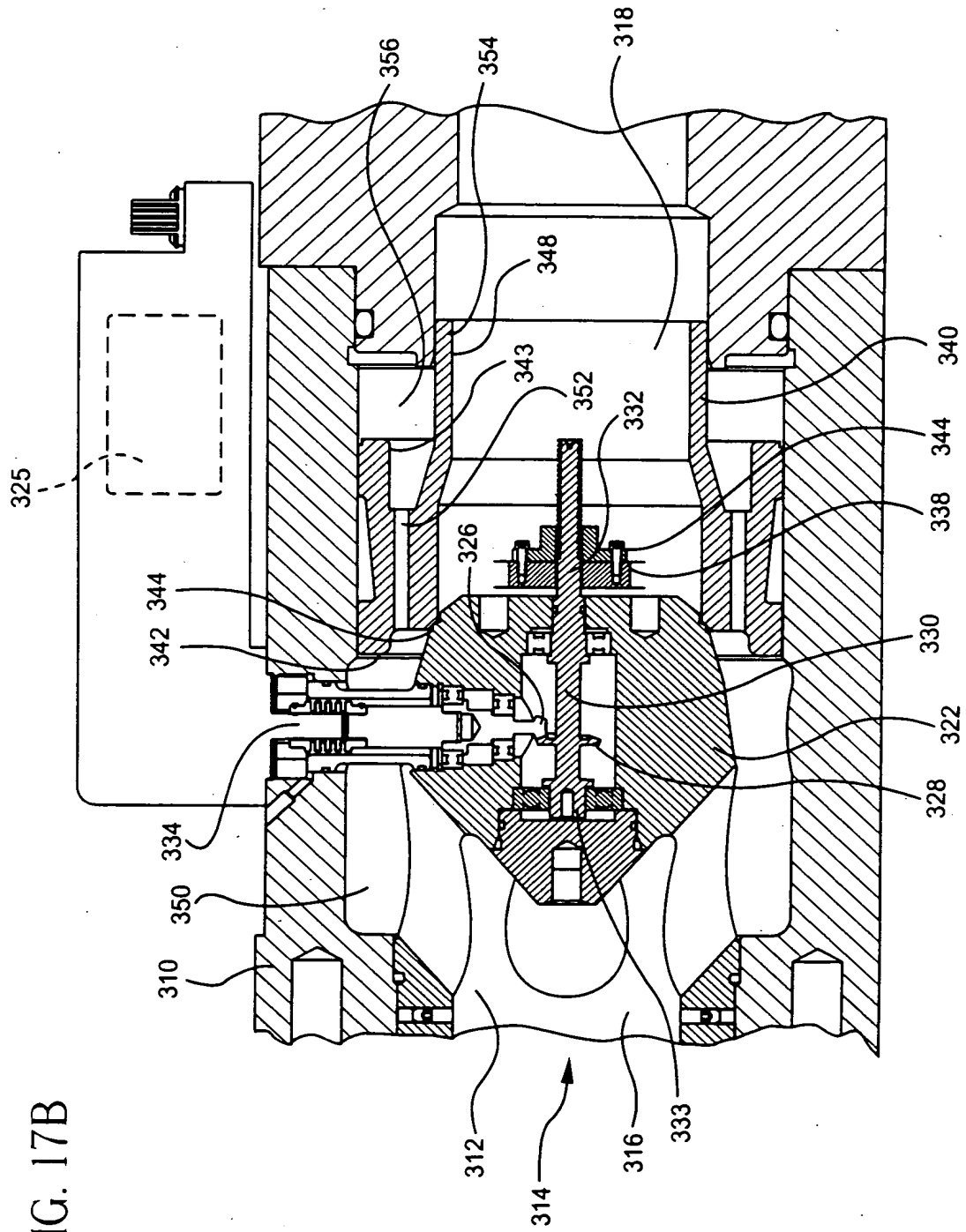
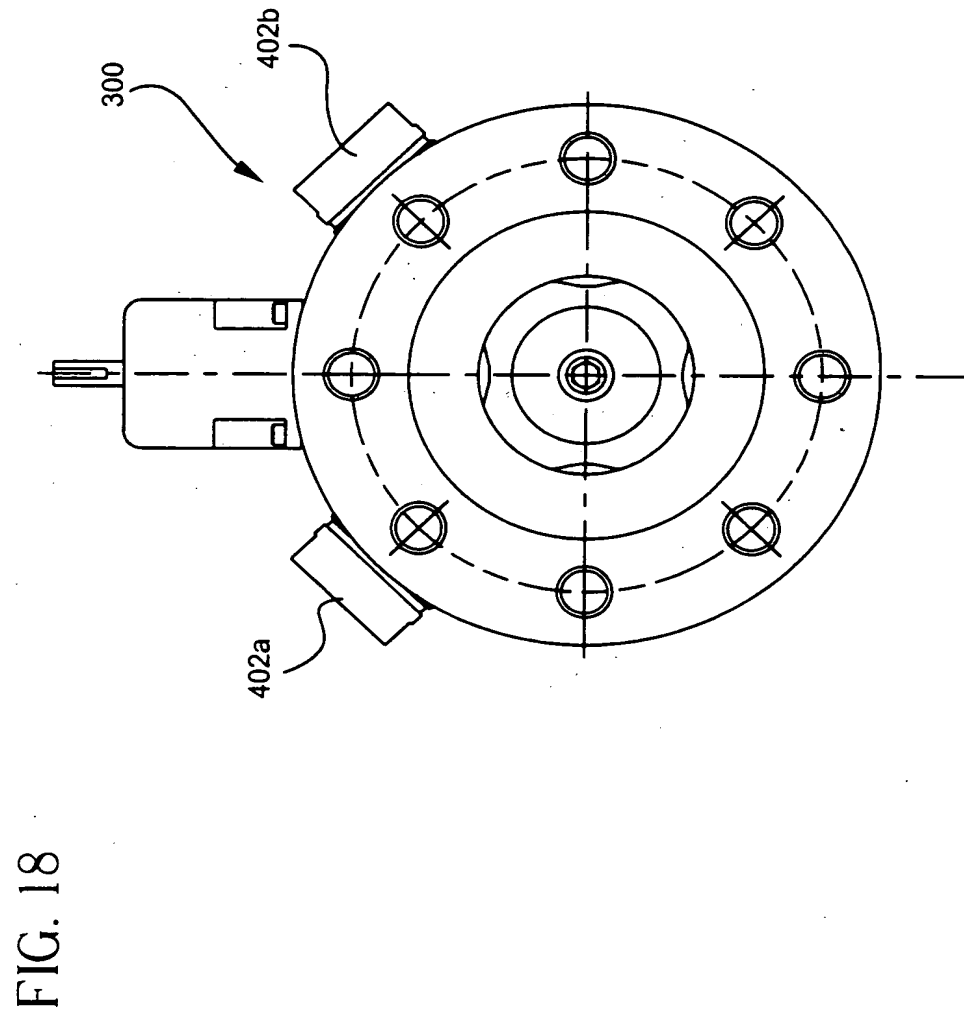
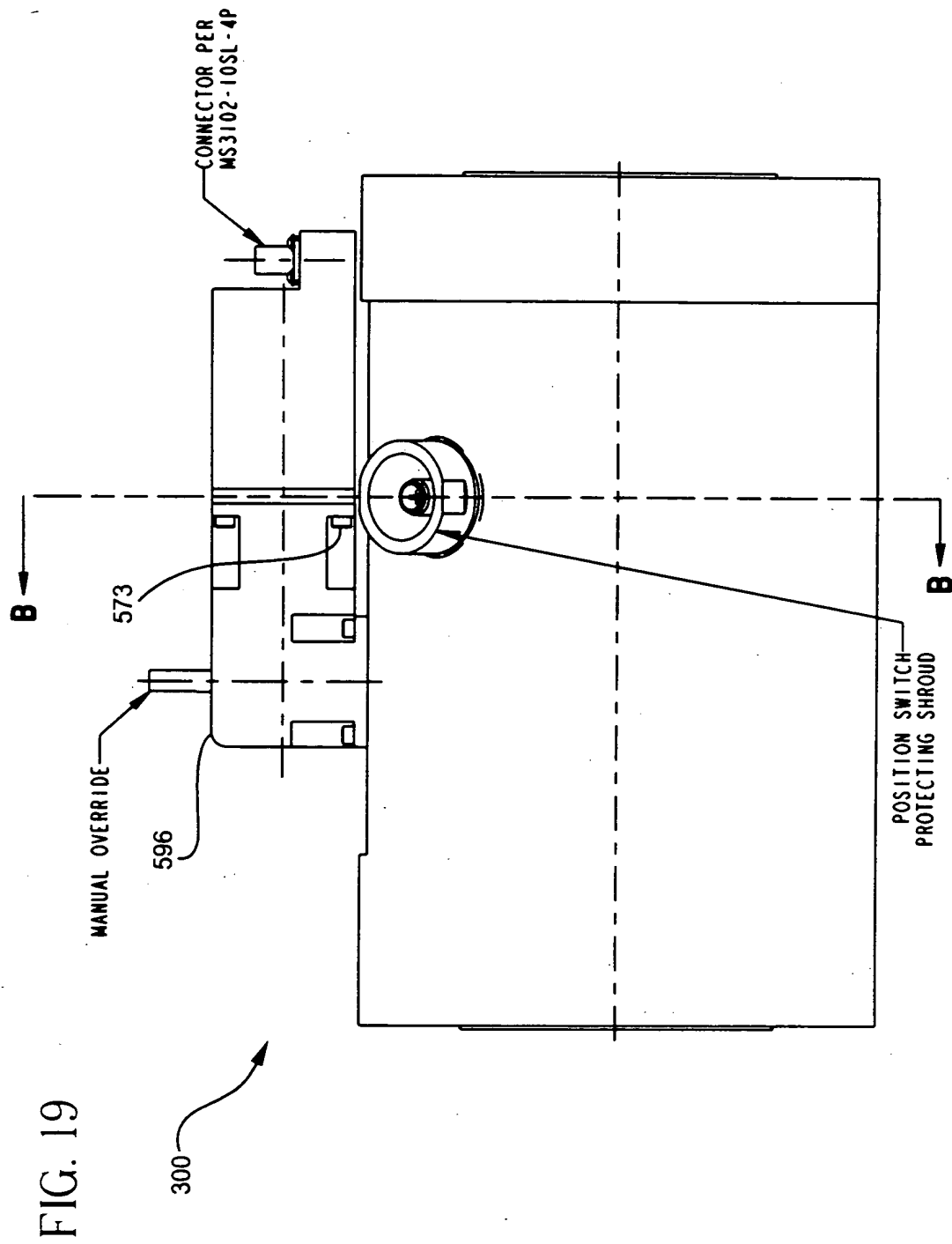
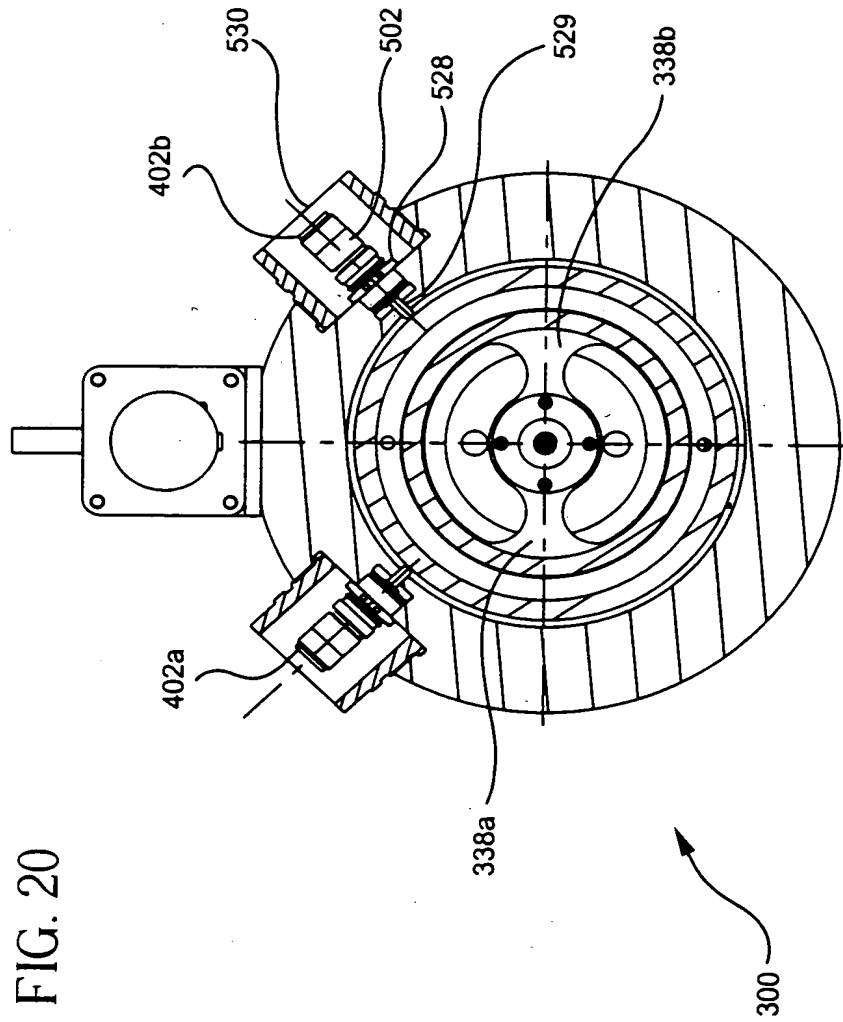


FIG. 17B









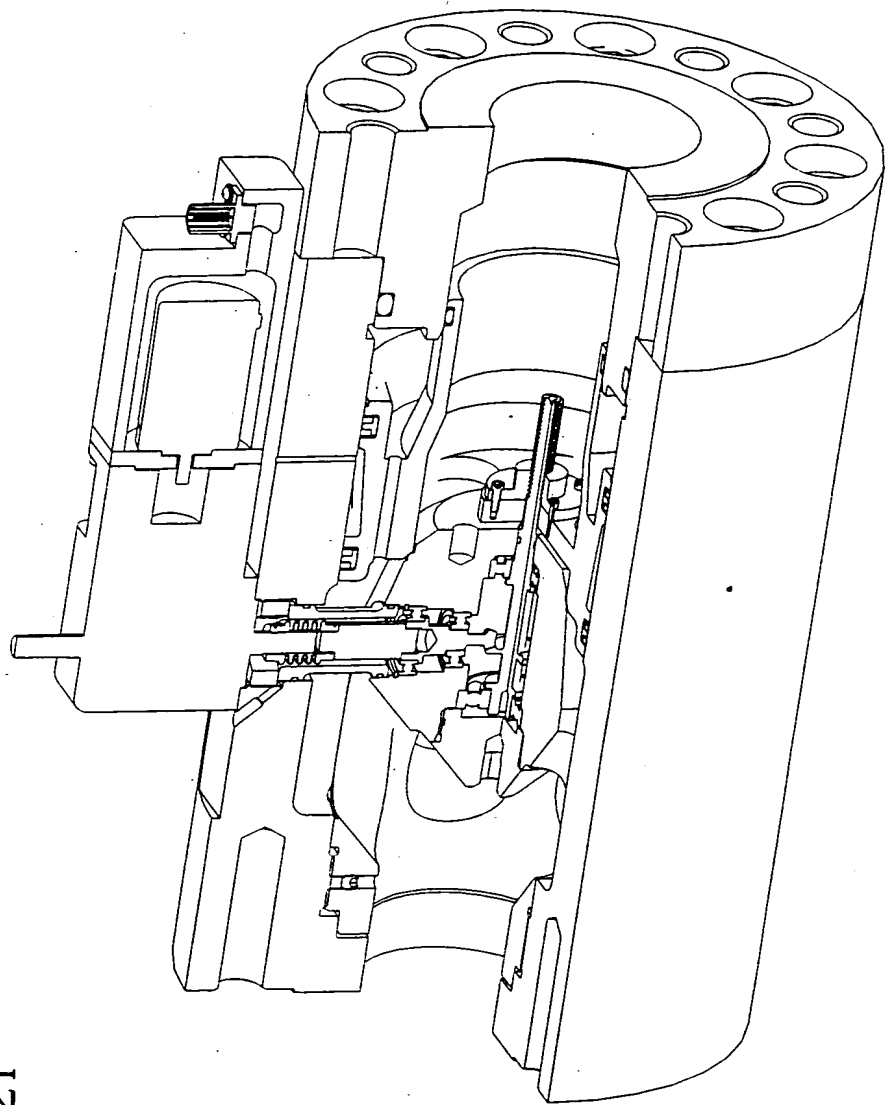
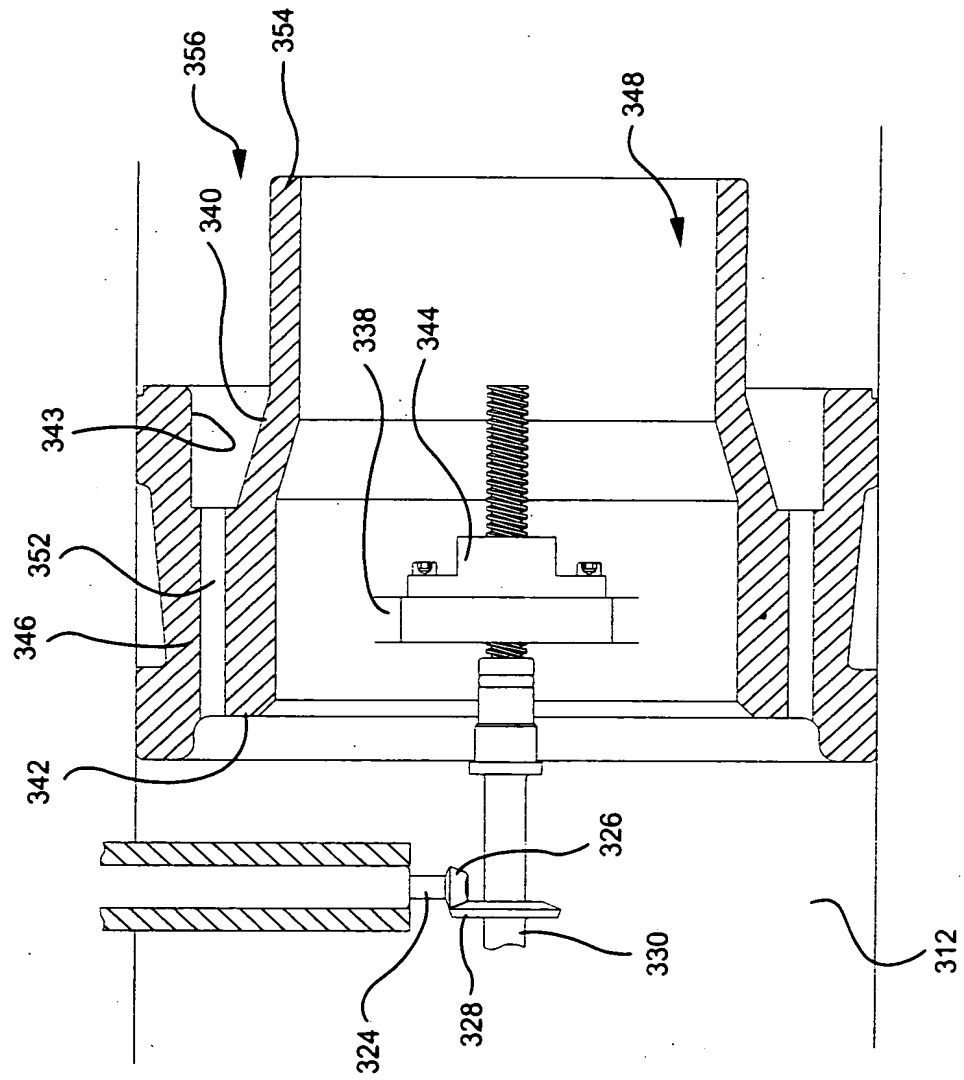


FIG. 21

FIG. 22



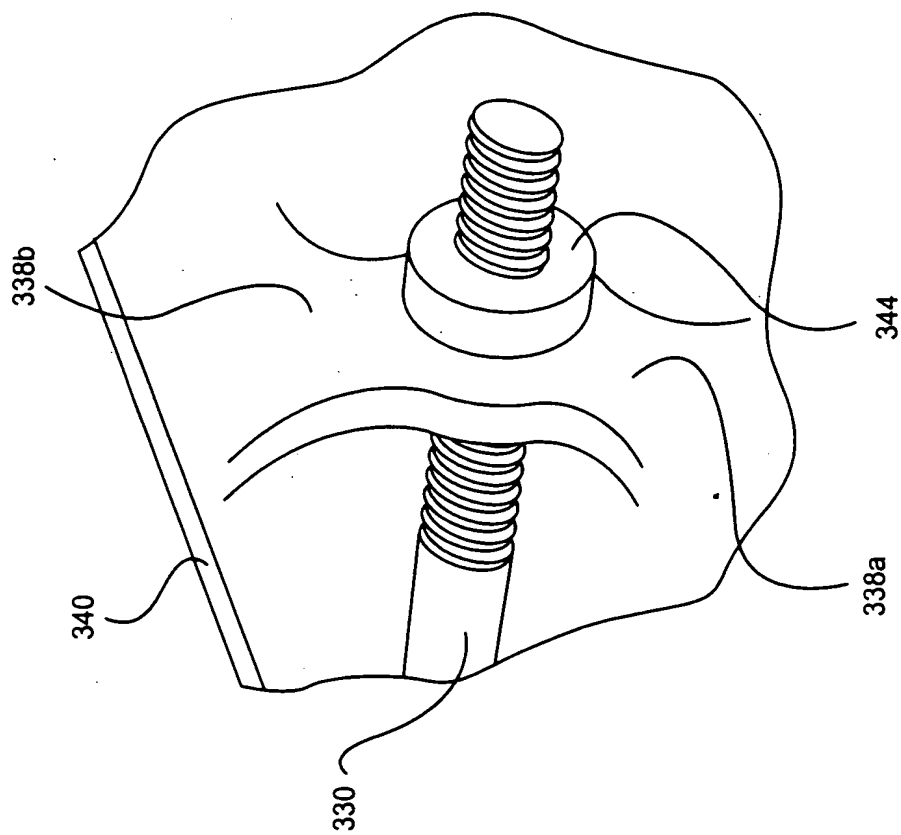


FIG. 23



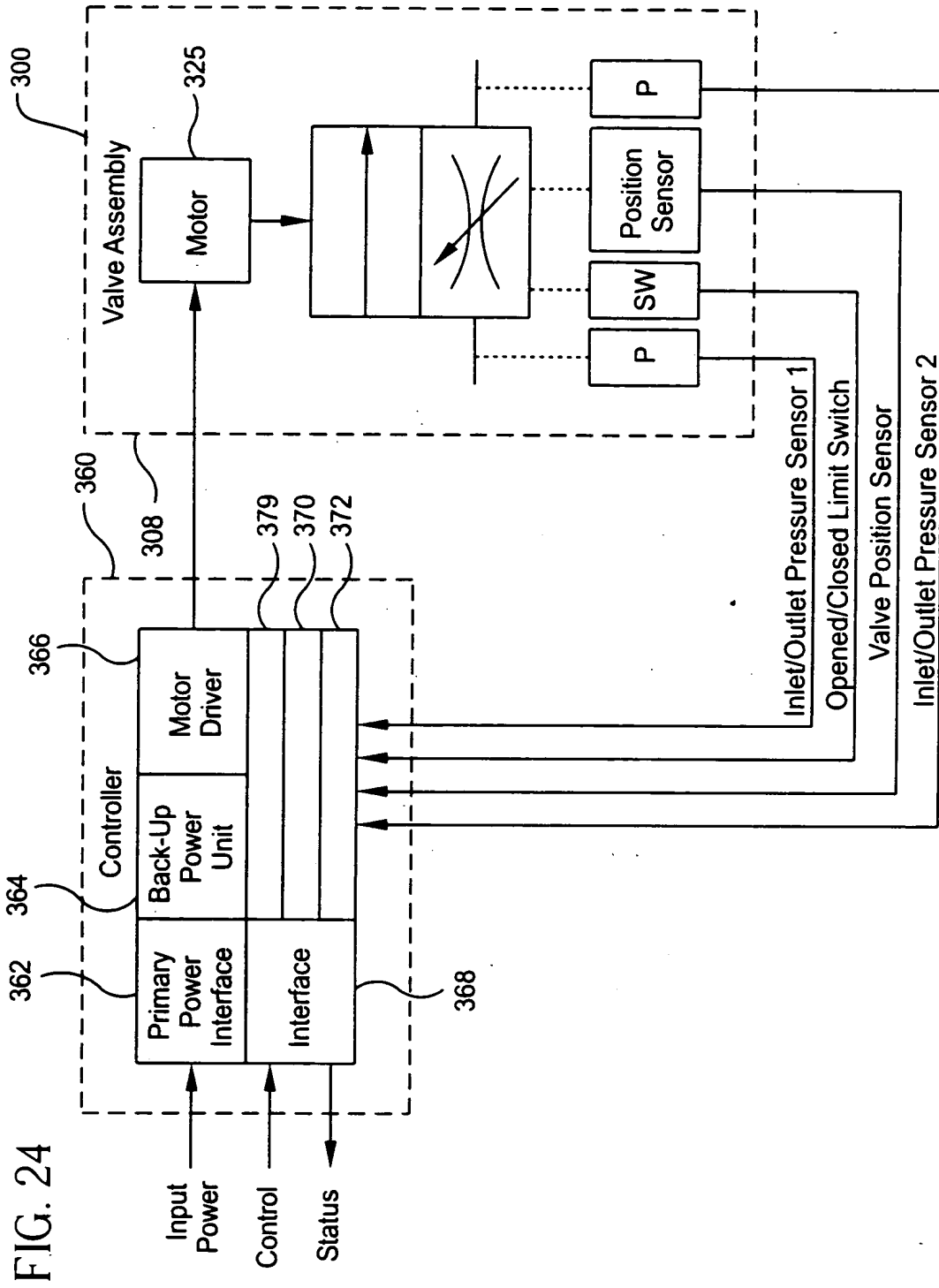


FIG. 25

